

## Task 7: Triggers, Views, and Exceptions.

### Objective:

To understand and implement Triggers, view and Exception Handling for performing and managed CRUD (Create, Read, Update, Delete) operation in an database.

### Part 2: Exception Handling.

(1. Stored Procedure with Exception Handling for Inserting Students Records.)

#### 1. View for Top students.

CREATE OR REPLACE VIEW view - Top students AS

SELECT student ID, Name, Marks  
FROM students

WHERE Marks > 80;

#### 2. View for Department Summary.

CREATE OR REPLACE VIEW view - Department Summary AS

SELECT Department, Count (\*) AS Total Student, Round  
(Avg(Marks), 2) AS Average Marks

FROM students

GROUP BY Department;

Part 3: Exception Handling.

1) Stored Procedure with Exception Handling for  
Inserted Student Records.

CREATE OR REPLACE PROCEDURE InsertStudent (

p- studentID IN NUMBER,

p- NAME IN VARCHAR2,

p- age IN NUMBER,

p- Department IN VARCHAR2,

p- Marks IN NUMBER,

)

IS

BEGIN

INSERT INTO students (studentID, Name, age, Department,  
, Marks)

VALUES (p- studentID, p- Name, p- age, p- Department,  
p- Marks);

DBMS\_OUTPUT.PUT\_LINE ('Record inserted successfully');

EXCEPTION

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE ('ERROR: ' || SQLERRM);

END;

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VEL TECH	
EX No.	7
PERFORMANCE (5)	5
RESULT AND ANALYSIS (3)	3
VIVAVOCE (3)	3
RECORD (4)	4
TOTAL (15)	15
SIGN WITH DATE	15/9/25

Result-

Hence, Implementing Triggers, views and  
 Excepting. has been done successfully.

15/9/25